

Technical Data Sheet



ALTECH PA66 A 4240/500 GF15 MR25

Base Polymer	Polyamide 66
Filler/Additive System	40 % glass fibre/mineral
Colour	black
Special Features	low warpage, heat stabilised, improved surface appearance
Market Segment	Automotive, Machinery, electrical and electronic
Application Area	injection moulded parts, electrical components
Typical Applications	housings, functional components, batteries

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	6500 / -	MPa	ISO 178
Flexural Strength	160 / -	MPa	ISO 178
Tensile Modulus	7800 / -	MPa	ISO 527
Tensile Strength at Break	105 / -	MPa	ISO 527
Tensile Elongation at Break	2.6 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	50 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	45 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	220 / *	°C	ISO 75-1/-2
DSC (Melt Point)	260 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1440 / -	kg/m ³	ISO 1183